

NIGHTHAWK®

Nighthawk® X6S AC3600 Tri-Band WiFi Router



Leading the New Era of WiFi

Nighthawk® X6S AC3600 Tri-Band WiFi Router is powered by high-power amplifiers and antennas to extend your WiFi coverage. Blazing-fast combined WiFi speeds up to 3.525Gbps and 1.8GHz dual-core processor for extended

range. Smart Connect intelligently selects the fastest 2.4 or 5GHz WiFi band for each device in your home for optimal speeds. Stop buffering and start enjoying ultra-smooth streaming, online gaming, and more. With

NETGEAR Armor™, you get the best-in-class cybersecurity to protect your family from malware, stolen passwords, identity theft, and hacker attacks. Manage content and time online with Circle® Smart Parental Controls.

NETGEAR®

NIGHTHAWK®

Nighthawk® X6S AC3600 Tri-Band WiFi Router

GAMING | FOR THE WIN

You need the best when you're taking on the online gaming world. The Nighthawk® X6S is the pro gaming choice and the latest in AC3600 speed and performance. Powerful dual-core 1.8GHz processor and three offload processors provide WiFi speeds up to 3.525Gbps. Nighthawk's Tri-Band MU-MIMO WiFi ends game-lag and multiplies the intensity of immersive, uninterrupted, online gaming.



STREAMING | ULTIMATE HD

Nighthawk X6S multiplies the entertainment factor for everyone in your home. Seamless, simultaneous streaming for multiple devices is now a reality thanks to powerful Tri-Band MU-MIMO WiFi and features like Smart Connect and Beamforming+—it's the end of buffering, jittery video, and lag as you know it.



MOBILE | FASTER & FARTHER

Nighthawk X6S Tri-Band WiFi with MU-MIMO provides more WiFi for more devices. That means more range and reliability for your mobile devices. Easily set up your router and get the most out of your WiFi with the Nighthawk App. Nighthawk X6S offers key features to dramatically boost mobile connectivity and performance. High-power amplifiers & 6 high-performance antennas help extend WiFi coverage throughout large homes & even backyards, while Beamforming+ focuses WiFi signals for stronger more reliable connections.



Tri-Band WiFi

The Nighthawk® X6S AC3600 Router with breakthrough Tri-Band WiFi technology delivers a massive combined wireless speed of up to 3.525Gbps. The X6S optimizes WiFi performance by intelligently assigning every device to the fastest WiFi band possible and doing so allows devices to connect at their maximum speed. Even if everyone and everything in the home that's connected to the Internet is streaming, gaming, working, playing, socializing or updating at the same time, the X6S won't miss a beat—you'll enjoy seamless clarity and zero lag.

Tri-Band WiFi provides 3 dedicated WiFi Bands Optimized speeds for all WiFi devices

FAST

WiFi Band 1

2.4GHz - Up to 600Mbps

**All Legacy
WiFi Devices**

FASTER

WiFi Band 2

5GHz - Up to 1.3Gbps

**Dual Band
WiFi Devices**

FASTEST

WiFi Band 3

5GHz - Up to 1.625Gbps

**Newer Dual Band AC
WiFi Devices**



NIGHTHAWK®

Nighthawk® X6S AC3600 Tri-Band WiFi Router

Speed

Get super fast WiFi & enjoy a blazing-fast, lag-free WiFi experience for gaming, video streaming or surfing.



EXTREMELY FAST WIFI—Up to 3.525Gbps



SMART CONNECT—Automatically selects the best dual band WiFi connection for optimal wireless speed



GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds



MU-MIMO—Go faster by simultaneously streaming to multiple devices



GIGABIT WIRED—Ideal for HD gaming & video



DUAL-CORE PROCESSOR—Dual-core 1.8GHz processor boosts wireless, wired & WAN-to-LAN performance

WiFi Range

Faster and expanded coverage throughout your home and for all your devices.



ULTIMATE RANGE—WiFi coverage throughout very large homes



HIGH-POWER ANTENNAS—High-power amplifiers with 6 external antennas

Sharing

With NETGEAR, sharing across your network is fun and easy, ~~anything from~~ accessing stored photos to music. ~~And make sure you keep it safe by using ReadyCLOUD USB access application for backing up Windows-based PCs.~~



DLNA®—Find & play your media on DLNA TVs & game consoles



READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive via two (2) USB ports



ONE SUPERSPEED USB 3.0 PORT—Up to 10x faster than USB 2.0



READYCLOUD® USB ACCESS—Enjoy personal & secure cloud access to USB storage anytime, anywhere

NIGHTHAWK®

Nighthawk® X6S AC3600 Tri-Band WiFi Router

Reliable Connections

There's nothing more frustrating than lost connections! With NETGEAR's advanced features & best-in-class technology, you'll reduce interference & enjoy more reliable WiFi connectivity.



BEAMFORMING+—Boosts speed, reliability, & range of WiFi connections for 2.4 & 5GHz bands



SIMULTANEOUS TRI-BAND—More & faster WiFi connections for all devices



DYNAMIC QoS—Dynamic QoS automatically recognizes & prioritizes streaming & gaming applications

Ease Of Use

Start enjoying your new device faster than ever. NETGEAR wants to make sure installation and management is simple & easy, so you can connect quickly & make sure you stay that way!



SMART CONNECT—Intelligently selects the fastest WiFi band for every device connection. One WiFi name for the entire home



NIGHTHAWK APP—Easily set up your router and get more out of your WiFi. Includes access from anywhere to manage your network away from home



VOICE CONTROLLED BY AMAZON ALEXA—Control your NETGEAR WiFi network with simple voice commands

Security

Maintain high security across your network to ensure your privacy & family is safe while online. Whether it's preventing phishing & spyware or just limiting access for kids & guests, NETGEAR has you covered.



NETGEAR ARMOR™—Cybersecurity for your home^{††}. Advanced cyber threat protection for your home network and your connected devices



VPN SUPPORT—OpenVPN Connect app on iOS and Android® allows remote secure access to the home network



SECURE WIFI CONNECTIONS—Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)



PARENTAL CONTROLS—Circle™ - the smart way for families to manage content and time online, on any device



GUEST NETWORK—Separate and secure network for your guests



AUTOMATIC FIRMWARE UPDATE—Delivers latest security patches to the router



PERSONAL FTP SERVER—Customized free URL to create FTP server

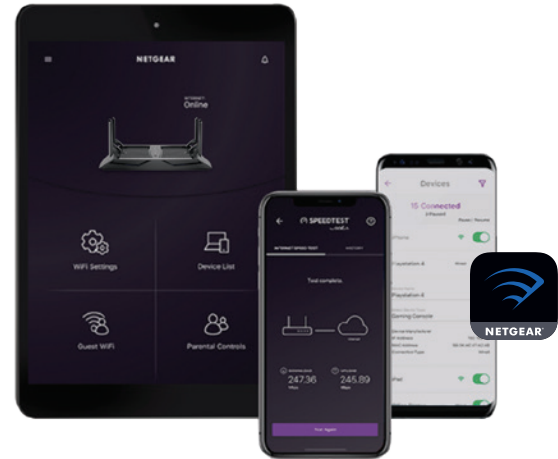
NIGHTHAWK®

Nighthawk® X6S AC3600 Tri-Band WiFi Router

Nighthawk® App

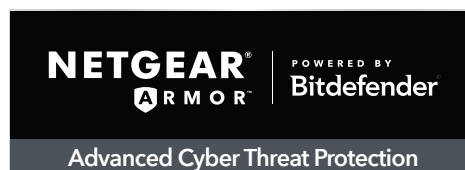
The NETGEAR Nighthawk® App makes it easy to set up your router and get more out of your WiFi, with the app, you can install your router in a few steps—just connect your mobile device to the router network and the app will walk you through the rest. Once set up, you can use the intuitive dashboard to pause the Internet on your connected devices, run a quick Internet speed test, and much more.

- Anywhere Access—Easily monitor your home network anytime, anywhere
- Internet Speed Test—Check the broadband speeds from your service provider
- Pause Internet—Pause the Internet to any device
- Traffic Meter—Track Internet data usage
- Guest Networks—Setup separate WiFi access for guests
- Quick Setup—Get connected in just minutes
- Get it at nighthawk-app.com



NETGEAR Armor™

NETGEAR Armor empowers you to eliminate vulnerabilities or simply know the status of your home network and devices, anytime, anywhere. Get instant notifications when malicious threats are detected, block unknown devices from joining your home network or take action on vulnerabilities as they are discovered easily through the Nighthawk App.



Powerful Security on Your NETGEAR Router



ANTIVIRUS & RANSOMWARE PROTECTION—Keeps you safe from phishing and online fraud



VULNERABILITY ASSESSMENT—Scans and identifies network security flaws



BITDEFENDER TOTAL SECURITY 2020—Protects all connected devices at home and on-the-go



BITDEFENDER VPN—Encrypts your internet connection to keep your online activity private even while you're on unsecured public networks



STAY SAFE EVEN WHEN AWAY FROM HOME WIFI—Stay in the know with Nighthawk App. Anywhere, anytime

NIGHTHAWK®

Nighthawk® X6S AC3600 Tri-Band WiFi Router

circle® Circle is the smart way for families to manage content and time online, on any connected device. With the Circle app, you can easily:

- Limit daily Internet time for websites, apps, and more
- Set a BedTime for your family's devices
- Set individual filter for each family member that matches their age and interests
- Pause Internet by device or by user with a press of a button
- Schedule specific 'no internet' times with OffTime
- Check out where your family spends time online
- Reward kids with extended Time Limits, no OffTime, and a late BedTime for the day
- Use voice commands to ask Alexa™ about Time Limits and Usage

Learn more netgear.com/circle

Key Features:



FILTERS



TIME LIMITS



BEDTIME



USAGE



PAUSE



OFF TIME



REWARDS



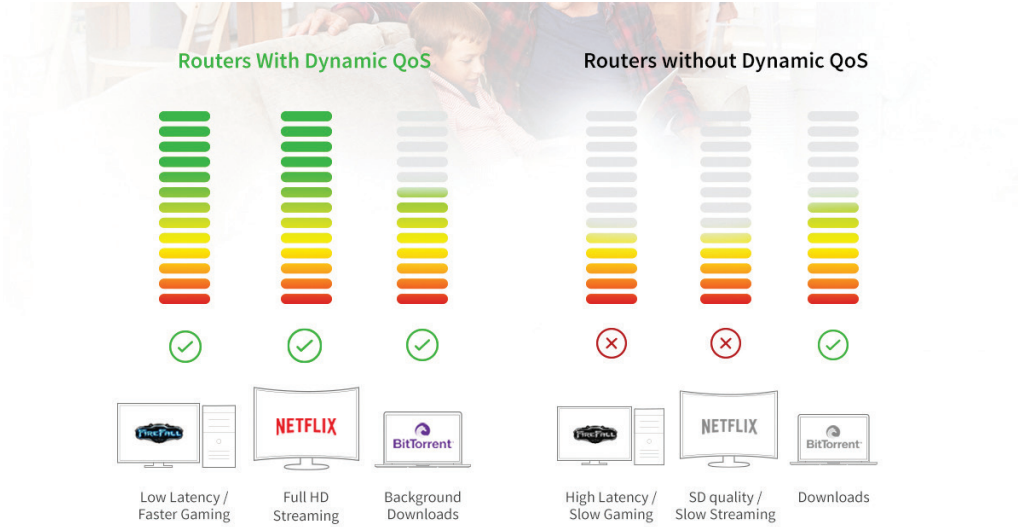
HISTORY



CONNECTIONS

Dynamic Quality Of Service

If you like gaming and streaming videos, then you'll benefit from Dynamic Quality of Service (QoS). Dynamic QoS resolves Internet traffic congestion when you have competing Internet demands at home. Dynamic QoS identifies your online activities by application and device, and then utilizes bandwidth allocation, and traffic prioritization techniques, to automatically allocate more bandwidth to latency sensitive applications like online gaming and video streaming, while ensuring that lower priority applications continue to work.



Multi-user MIMO (MU-MIMO)

Traditional WiFi routers can stream data to only one device in the home at a time. When multiple devices are connected to the router, each device needs to take its turn, and then wait before receiving more data. This can lead to slower network and Internet speeds. Using Multi-user MIMO technology, NETGEAR routers can stream data to multiple devices simultaneously. With MU-MIMO, your WiFi network can deliver faster throughput to every MU-MIMO connected device. That means faster downloads and smoother streaming for your devices.

Enjoy simultaneous streaming with MU-MIMO

Data sent to one device at a time



Traditional WiFi

Data sent to multiple devices simultaneously

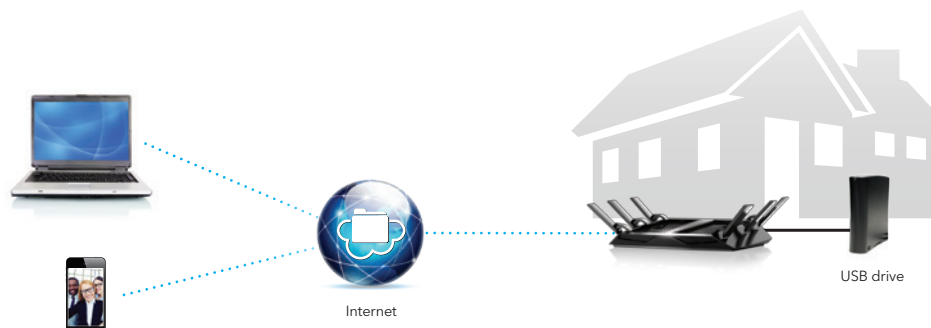


MU-MIMO WiFi

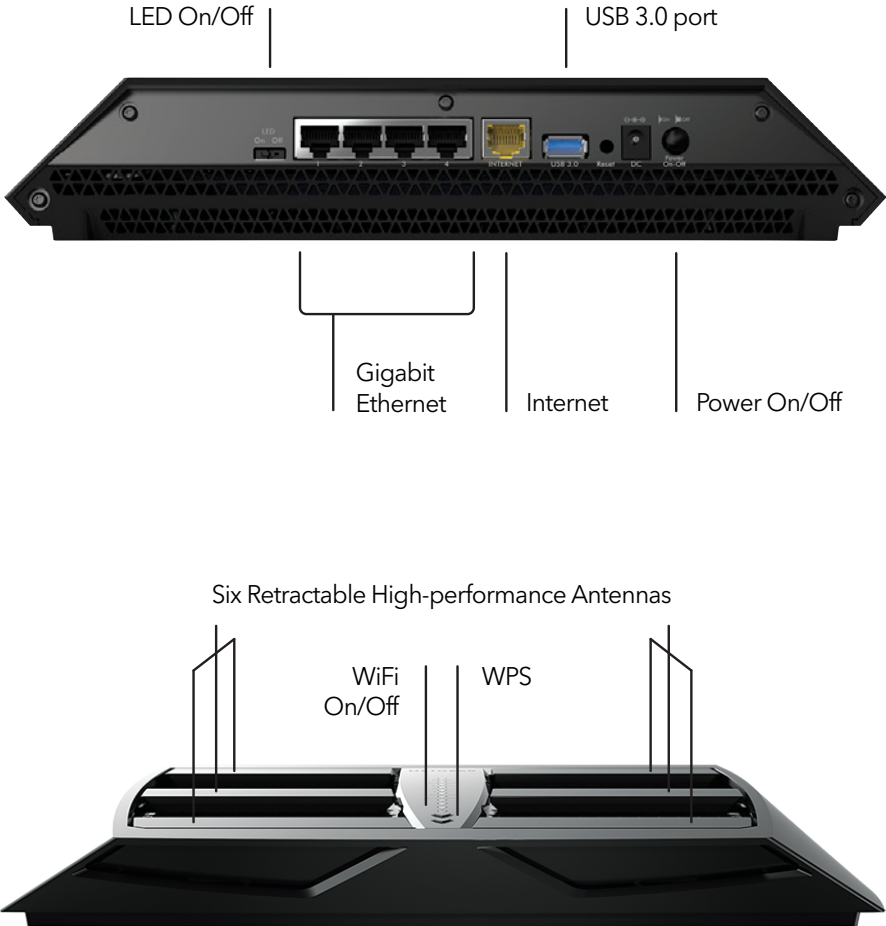
ReadyCLOUD® USB Access—Access Your Files Wherever, Whenever

Access and share your files via secure, personal cloud storage with NETGEAR ReadyCLOUD® USB Access. Once you've connected your USB drive to your NETGEAR Nighthawk® X6S and uploaded all your favorite files, you can enjoy the convenience and accessibility anytime & anywhere you have an Internet connection. No fees, storage limitations, or privacy concerns of cloud storage services. Using the ReadyCLOUD mobile app or web portal, you'll now have anytime, anywhere access to your USB drive at home... it's that easy!

- Setup your and access ReadyCLOUD via the web portal <http://readycloud.netgear.com/>
- Download mobile app for Android <https://play.google.com/store/apps/details?id=com.netgear.readycloud&hl=en>
- Download mobile app for iOS <https://itunes.apple.com/us/app/readycloud/id700730254?mt=8>



Connection Diagram



NIGHTHAWK®

Nighthawk® X6S AC3600 Tri-Band WiFi Router

Package Contents

- Nighthawk® X6S AC3600 Tri-Band WiFi Router (R7960P)
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

Physical Specifications

- Dimensions: 11.63 x 8.92 x 2.14 in
- Weight: 2.43lb

Technical Specifications

- Nighthawk® X6S AC3600 Tri-Band WiFi Router (R7960P)
 - Band 1: 600Mbps @2.4GHz
 - Band 2: 1300Mbps @5GHz
 - Band 3: 1625Mbps @5GHz
- Simultaneous Tri-Band WiFi
 - Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz) + 3x3 (5GHz)
 - IEEE® 802.11 b/g/n 2.4GHz
 - IEEE® 802.11 a/n/ac 5GHz
- Powerful dual-core 1.8GHz processor
- Memory: 128MB flash and 512MB RAM
- Six (6) high-performance external antennas
- High-power amplifiers
- Five (5) 10/100/1000Mbps Gigabit Ethernet ports
 - 1 WAN & 4 LAN
 - Dual Gigabit Ethernet port aggregation
- One (1) USB 3.0 port
- IPv6 support (Internet Protocol Version 6)
- On/Off LED light switch

Standards

- One (1) USB 3.0 port
- IEEE® 802.11 b/g/n 2.4GHz + 256-QAM support
- IEEE® 802.11 a/n/ac 5GHz
- Five (5) 10/100/1000Mbps—(1 WAN & 4 LAN) Gigabit Ethernet ports

Key Features

- MU-MIMO—Simultaneous streaming of data for multiple devices†
- Smart Connect—Same WiFi network name on 2.4 & 5GHz for automatic band selection
- Link aggregation—Ability to aggregate two Gigabit LAN ports for faster file transfers
- ReadySHARE® USB—Share your USB hard drive
- Customized free URL to set up personal FTP server
- VPN support—Secure remote access. Now also on mobile devices
- Implicit & Explicit Beamforming—More reliable connections
- Automatic firmware update delivers latest security patches to the router
- Dynamic QoS intelligently prioritizes video streaming & gaming
- Multi-Gig Internet support allows you to aggregate two Gigabit Ethernet ports to get more than one Gigabit Internet, where supported*
- Voice controlled by Amazon Alexa® & the Google Assistant™—Control your NETGEAR WiFi network with simple voice commands
- Nighthawk® App—Easily set up your router and get more out of your WiFi. Includes access from anywhere to manage your network away from home

- NETGEAR Armor™—Advanced cyber threat protection for your home and your connected devices††
- Circle® Smart Parental Controls††—Manage your content and time online, on any device

Support

- 24/7 dedicated technical support for Costco Members (888) 228-4719
- Join the NETGEAR Community Forum. Visit <http://community.netgear.com>

System Requirements

- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Firefox® 2.0, Safari® 1.4, or Google Chrome™ 11.0 browsers or higher

Security

- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- Guest network access—Separate & secure
- Automatic firmware update delivers latest security patches to the router
- Double firewall protection (SPI and NAT)
- Denial-of-service (DoS) attack prevention
- VPN Support—Secure access to your home network away from home
- NETGEAR Armor™—Advanced cyber threat protection for your home network and your connected devices††
- Circle® Smart Parental Controls††—Manage content and time online for your connected devices. Learn more at netgear.com/circle.

Warranty

- NETGEAR 1-year limited warranty

This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

† Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and may be lowered by network and environmental conditions, including network traffic volume and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. Up to 3600Mbps wireless speeds achieved when connecting to other 802.11ac 3600Mbps devices.

* Multi-Gig Internet speeds require compatible service plans and equipment.

† MU-MIMO capability requires both router and client device to support MU-MIMO.

††NETGEAR Armor requires a paid subscription after the initial introductory period.

‡Circle® includes the Free Basic Plan. Fees apply for a Premium Plan. Visit netgear.com/circle for more information.

NETGEAR, the NETGEAR Logo, NETGEAR Armor, Nighthawk, ReadySHARE, and ReadyCLOUD are trademarks of NETGEAR, Inc. Mac, Mac OS, and the Mac logo are trademarks of Apple Inc. Any other trademarks herein are for reference purposes only. ©2020 NETGEAR, Inc.

NETGEAR, Inc. 350 E. Plumeria Drive, San Jose, CA 95134-1911 USA, www.NETGEAR.com/support

D-R7960P-5